

# Converting Colors

XYZ(70.0547, 73.0902, 80.2448)

Have a look what the booklet for  
XYZ(70.0547, 73.0902, 80.2448)  
contains.

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# **Color**

**XYZ(69.9162, 72.8879,  
80.1958)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0DDDF
RGB	224, 221, 223
RGB Percent	88%, 87%, 87%
CMY	0.1216, 0.1333, 0.1255
CMYK	0.00, 0.01, 0.00, 0.12
HSL	320°, 5%, 87%
HSV	320°, 1%, 88%
XYZ	69.9162, 72.8879, 80.1958
YIQ	222.1250, 1.1460, 1.2580

# Conversions

## Conversions Part 2

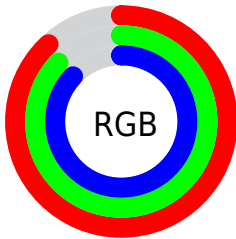
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 221, 223
Decimal	14736863
CIE Lab	88.39, 1.38, -0.63
CIE LCh	88, 1.514, 335.509
Yxy	72.8879, 0.3135, 0.3269
Android (android.graphics.Color)	4292926943 (0xFFE0DDDF)
YUV	222.1250, 0.4314, 1.6444
Hunter-Lab	85.3744, -3.2251, 4.0685

# Details

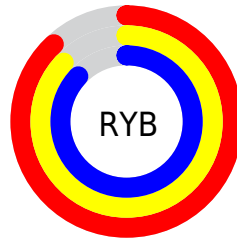
The XYZ color **69.9162, 72.8879, 80.1958** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.6620, 73.9593, 79.7150**, and the grayscale version is **69.5177, 73.1380, 79.6473**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0663, 38.5346, 42.5301** is the 20% darker color. If you saturate the color by 10%, you get **63.4070, 61.4463, 73.1629**, and if you desaturate by 10%, it is **77.2631, 85.9317, 87.7293**.

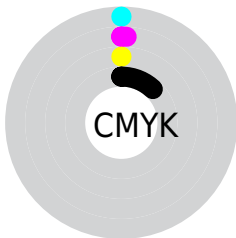
# Distribution



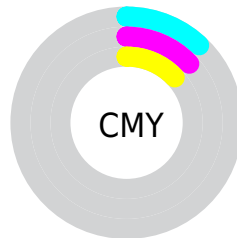
- Red (88%)
- Green (87%)
- Blue (87%)



- Red (88%)
- Yellow (87%)
- Blue (87%)



- Cyan (0%)
- Magenta (1%)
- Yellow (0%)
- Black (12%)



- Cyan (12%)
- Magenta (13%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9162, 72.8879, 80.1958 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 69.9162, 72.8879, 80.1958 by changing the saturation by 10% instead.



■ 69.9162, 72.8879,  
80.1958

■ 69.9162, 72.8879,  
80.1958

449.5267,  
470.6262, 515.3166

■ 51.7376, 53.8843,  
59.3524

118.1162,  
123.3181, 135.4549

■ 37.0194, 38.5092,  
42.4750

148.8682,  
155.5134, 170.7076

■ 25.3962, 26.3781,  
29.1450

184.5421,  
192.8748, 211.6005

■ 16.5028, 17.1067,  
18.9440

225.5032,  
235.7866, 258.5521

■ 9.9737, 10.3106,  
11.4535

272.1168,  
284.6333, 311.9810

■ 5.4437, 5.6054,  
6.2547

324.7484,

■ 2.5473, 2.6066,

339.7992, 372.3057

2.9293

383.7633,  
401.6687, 439.9447

■ 0.9192, 0.9300,  
1.0586

■ 0.0000, 0.0000,  
0.0000

■ 69.9162, 72.8879,  
80.1958

■ 69.9162, 72.8879,  
80.1958

■ 63.4070, 61.4463,  
73.1629

■ 77.2631, 85.9317,  
87.7293

■ 57.6977, 51.5352,  
66.6125

■ 81.9268, 93.5379,  
94.5899

■ 52.7568, 43.0914,  
60.5323

■ 83.0481, 93.9864,  
100.4948

■ 48.5482, 36.0436,  
54.9072

■ 84.2156, 94.4534,  
106.6427

■ 45.0327, 30.3148,  
49.7212

■ 84.5509, 94.5875,  
108.4087

■ 42.1676, 25.8202,  
44.9570

■ 39.9050, 22.4651,  
40.5956

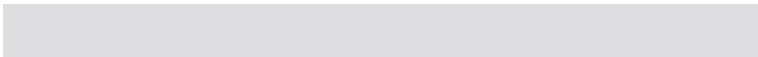
■ 38.1901, 20.1408,  
36.6155

■ 36.9574, 18.7178,  
32.9917

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.6848, 72.8879, 81.0043



69.9162, 72.8879, 80.1958



69.9763, 72.8879, 79.1704

# Triad

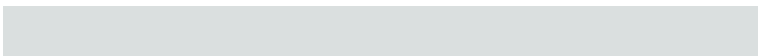
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.9162, 72.8879, 80.1958



69.2106, 72.8879, 77.3854



68.7100, 72.8879, 80.5317

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



69.9162, 72.8879, 80.1958



69.6620, 73.9593, 79.7150

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.5839, 72.8879, 79.5550



69.9162, 72.8879, 80.1958



68.8723, 72.8879, 77.7431

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



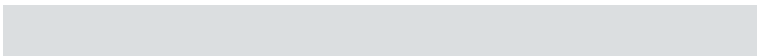
69.9162, 72.8879, 80.1958



69.5681, 72.8879, 77.5536



68.6432, 72.8879, 78.5351



68.9882, 72.8879, 81.1994



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.9162, 72.8879, 80.1958



69.9109, 72.8879, 78.5030



68.6432, 72.8879, 78.5351



68.6484, 72.8879, 80.2283

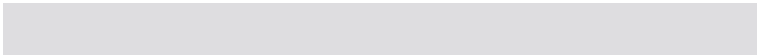
# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



69.9183, 72.8910, 80.1974

95.0500, 100.0000, 108.9000



69.4380, 72.6278, 80.8809



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.9183, 72.8910, 80.1974



93.1717, 96.6799, 106.9279



69.7173, 72.8106, 79.1391



15.1729, 15.7579, 17.4114



21.1174, 10.5140, 17.8158



1.5048, 0.7452, 1.4510



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



69.9183, 72.8910, 80.1974



93.1717, 96.6799, 106.9279



69.8636, 74.0399, 80.7764



15.1729, 15.7579, 17.4114



21.1174, 10.5140, 17.8158

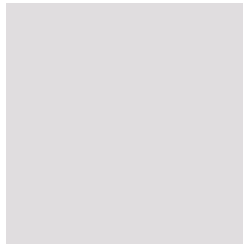


1.5048, 0.7452, 1.4510



# Previews

## White Background



This preview shows how the XYZ color 69.9162, 72.8879, 80.1958 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the XYZ color 69.9162, 72.8879, 80.1958 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

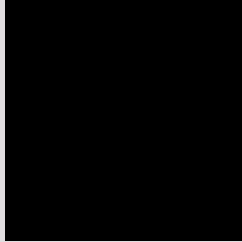
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

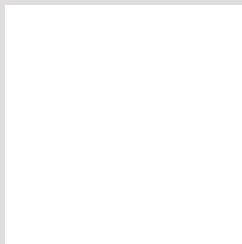


# XYZ 69.9162, 72.8879, 80.1958

## Background



This preview shows how black text looks on a background with the XYZ color 69.9162, 72.8879, 80.1958.



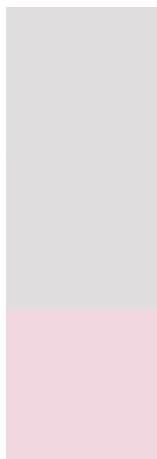
This preview shows how white text looks on a background with the XYZ color 69.9162, 72.8879,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

69.9162, 72.8879, 80.1958

### Protanopia

70.2271, 73.0482, 80.2104

### Deuteranopia

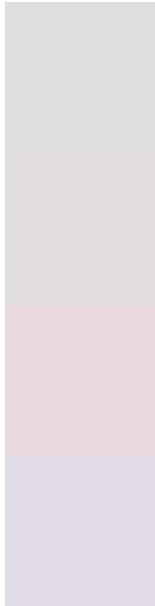
74.3729, 72.8599, 80.6645



## Tritanopia

71.8359, 72.8879, 89.6395

# Trichromacy



## Original Color

69.9162, 72.8879, 80.1958

## Protanomaly

70.2271, 73.0482, 80.2104

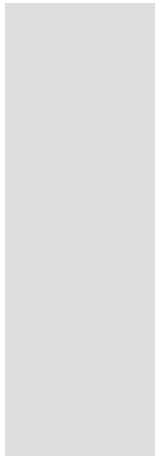
## Deuteranomaly

72.5283, 72.6697, 80.7250

## Tritanomaly

71.0683, 72.9635, 85.9390

# Monochromacy



## Original Color

69.9162, 72.8879, 80.1958

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

69.7375, 73.2045, 79.5616

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.9162, 72.8879, 80.1958 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(224, 221, 223) looks like.

```
.text, #text, p{  
    color:rgb(224, 221, 223)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(224, 221, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 221, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 69.9162, 72.8879, 80.1958 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(224, 221, 223) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(224, 221, 223) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(224, 221, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 221, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 221, 223);  
box-shadow:4px 4px 4px 4px rgb(224, 221,  
223) }
```



# Background

The CSS property to change the background color of an element to XYZ 69.9162, 72.8879, 80.1958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 221, 223) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(224,  
221, 223) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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